

Attorney's Docket No.: 12519-010US1 / P/43977.US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Porter, et al. Conf. No. : 5028  
Serial No. : 10/538,561  
Filed : November 23, 2005  
Title : PRECODING OF CONTENTION WORDS IN A FIXED WIRELESS ACCESS  
SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt for the above-referenced application to include the following corrected information denoted in bold:

Applicant(s): John David Porter, **Cambridge**, UNITED KINGDOM

Priority Data: This application is a 371 of PCT/GB03/05039 **11/19/2003**

Foreign Applications: UNITED KINGDOM **0229065.8** 12/12/2002

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink is

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Applicant : Porter, et al.  
Serial No. : 10/538,561  
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Page : 2 of 2


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attached for your convenience. Also enclosed is the first page of International Application No. PCT/GB03/05039 to which the instant application claims priority.

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 23, 2006

  
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CONFIRMATION NO. 5028

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## FILING RECEIPT

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Date Mailed: 02/15/2006

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## Applicant(s)

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**Power of Attorney:** The patent practitioners associated with Customer Number 20985.

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/GB03/05039 ~~11/12/2002~~ 11/19/2003

**Foreign Applications**

UNITED KINGDOM 022065.8 12/12/2002

0229065.8

**Projected Publication Date:** 05/25/2006

**Non-Publication Request:** No

**Early Publication Request:** No

**\*\* SMALL ENTITY \*\***

**Title**

Precoding of contention words in a fixed wireless access system

**Preliminary Class**

455

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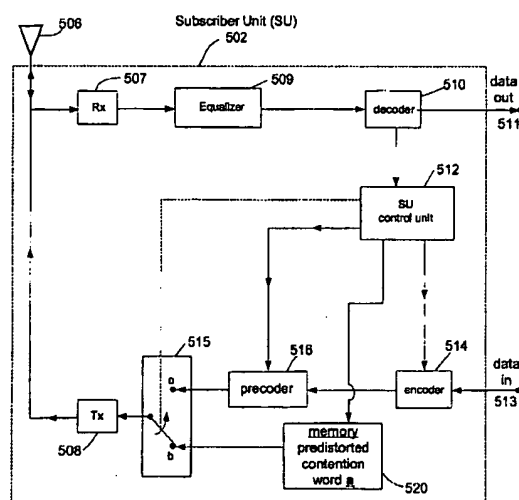
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[Continued on next page]

(54) Title: PRECODING OF CONTENTION WORDS IN A FIXED WIRELESS ACCESS SYSTEM



(57) Abstract: A fixed wireless access communications system comprises an access point and a plurality of subscriber units. Each subscriber unit (502) contends for access to a communications channel to the access point by transmitting a contention word to the access point during a contention time slot. The contention word is predistorted to compensate for the channel impulse response of the transmission channel so that the access point can decode the contention words without using equalisation. A control unit (512), which may comprise a microprocessor, loads the predistorted contention word (a) into a memory (520) and causes the stored predistorted contention word (a) to be applied to a transmitter (508) during a contention time slot when the subscriber unit (502) wishes to request a transmission channel to transmit data to the access point.